

CLAIM STATUS

This Amendment is submitted in response to the Office Action dated February 26, 2004, having a shortened statutory period set to expire May 26, 2004, extended to June 26, 2004. Claims 1-27 are pending. Applicants have amended Claims 1, 10 and 19 and have canceled Claims 6, 8, 15, 17, 24 and 26. No new matter has been entered by these amendments.

AMENDMENTS IN THE CLAIMS

1. (currently amended) A method of disseminating information, comprising:
forming one or more category frames containing data for user-selectable categories;
forming a meta frame identifying the user-selectable categories corresponding to the one or more category frames; [[and]]
transmitting broadcast information including the meta frame and the one or more category frames in sequence on a common transmission media shared by a plurality of users;
transmitting the meta frame in repetitive succession in one or more continuous cycles on a first frequency; and
transmitting subsets of the one or more category frames in repetitive succession in one or more other frequencies, wherein a unique subset of the one or more category frames is transmitted on each of said one or more other frequencies and not on the first frequency.
2. (original) The method of claim 1, further comprising:
responsive to receiving the meta frame and the one or more category frames at a device employed by one of the plurality of users, extracting category information from the meta frame and presenting the user-selectable categories to the user.
3. (original) The method of claim 2, further comprising:
responsive to selection of a user-selectable category by the user,
receiving a category frame corresponding to the user-selectable category from the one or more category frames,
formatting data within the category frame for presentation to the user, and
presenting the data from the category frame to the user utilizing the device.
4. (original) The method of claim 1, wherein the step of forming one or more category frames containing data for user-selectable categories further comprises:
forming each category frame with a starting delimiter identifying a start of the respective category frame, a major code identifying a category to which the respective category frame

belongs, encoded data for the respective category frame, and an ending delimiter for the respective category frame.

5. (original) The method of claim 1, wherein the step of forming a meta frame identifying the user-selectable categories corresponding to the one or more category frames further comprises:

- forming the meta frame with a starting delimiter identifying a start of the meta frame,
- a major code identifying the meta frame, for each category corresponding to one of the one or more category frames,
- a category name for the respective category,
- a major code identifying the respective category to which the one of the one or more category frames belongs,
- position information specifying a position of the one of the one or more category frames within the broadcast information, and
- an ending delimiter identifying an end of the meta frame.

6. (canceled)

7. (original) The method of claim 6, wherein the step of transmitting the meta frame and the one or more category frames in repetitive succession in one or more continuous cycles on one or more frequencies further comprises:

- transmitting the meta frame and the one or more category frames in repetitive succession in a single continuous cycle on a single frequency.

8. (canceled)

9. (original) The method of claim 6, wherein the step of transmitting the meta frame and the one or more category frames in repetitive succession in one or more continuous cycles on one or more frequencies further comprises:

- transmitting the meta frame and the one or more category frames in repetitive succession in a single continuous cycle on each of a plurality of frequencies at different offsets, wherein a

different frame from the meta frame and the one or more category frames is transmitted at a given time on each frequency within the plurality of frequencies.

10. (currently amended) A system of disseminating information, comprising:
means for forming one or more category frames containing data for user-selectable categories;
means for forming a meta frame identifying the user-selectable categories corresponding to the one or more category frames; [[and]]
means for transmitting broadcast information including the meta frame and the one or more category frames in sequence on a common transmission media shared by a plurality of users
means for transmitting the meta frame in repetitive succession in one or more continuous cycles on a first frequency; and
means for transmitting subsets of the one or more category frames in repetitive succession in one or more other frequencies, wherein a unique subset of the one or more category frames is transmitted on each of said one or more other frequencies and not on the first frequency.

11. (original) The system of claim 10, further comprising:
means, responsive to receiving the meta frame and the one or more category frames at a device employed by one of the plurality of users, for extracting category information from the meta frame and presenting the user-selectable categories to the user.

12. (original) The system of claim 11, further comprising:
means, responsive to selection of a user-selectable category by the user, for receiving a category frame corresponding to the user-selectable category from the one or more category frames,
formatting data within the category frame for presentation to the user, and
presenting the data from the category frame to the user utilizing the device.

13. (original) The system of claim 10, wherein the means for forming one or more category frames containing data for user-selectable categories further comprises:
means for forming each category frame with a starting delimiter identifying a start of the respective category frame, a major code identifying a category to which the respective category

frame belongs, encoded data for the respective category frame, and an ending delimiter for the respective category frame.

14. (original) The system of claim 10, wherein the means for forming a meta frame identifying the user-selectable categories corresponding to the one or more category frames further comprises:

means for forming the meta frame with a starting delimiter identifying a start of the meta frame, a major code identifying the meta frame,

for each category corresponding to one of the one or more category frames,

a category name for the respective category,

a major code identifying the respective category to which the one of the one or more category frames belongs,

position information specifying a position of the one of the one or more category frames within the broadcast information, and

an ending delimiter identifying an end of the meta frame.

15. (canceled)

16. (original) The system of claim 15, wherein the means for transmitting the meta frame and the one or more category frames in repetitive succession in one or more continuous cycles on one or more frequencies further comprises:

means for transmitting the meta frame and the one or more category frames in repetitive succession in a single continuous cycle on a single frequency.

17. (canceled)

18. (original) The system of claim 15, wherein the means for transmitting the meta frame and the one or more category frames in repetitive succession in one or more continuous cycles on one or more frequencies further comprises:

means for transmitting the meta frame and the one or more category frames in repetitive succession in a single continuous cycle on each of a plurality of frequencies at different offsets,

wherein a different frame from the meta frame and the one or more category frames is transmitted at a given time on each frequency within the plurality of frequencies.

19. (currently amended) A computer program product within a computer usable medium for disseminating information, comprising:

instructions for forming one or more category frames containing data for user-selectable categories;

instructions for forming a meta frame identifying the user-selectable categories corresponding to the one or more category frames; [[and]]

instructions for transmitting broadcast information including the meta frame and the one or more category frames in sequence on a common transmission media shared by a plurality of users;

instructions for transmitting the meta frame in repetitive succession in one or more continuous cycles on a first frequency; and

instructions for transmitting subsets of the one more category frames in repetitive succession in one or more other frequencies, wherein a unique subset of the one or more category frames is transmitted on each of said one or more other frequencies and not on the first frequency.

20. (original) The computer program product of claim 19, further comprising:

instructions, responsive to receiving the meta frame and the one or more category frames at a device employed by one of the plurality of users, for extracting category information from the meta frame and presenting the user-selectable categories to the user.

21. (original) The computer program product of claim 20, further comprising:

instructions, responsive to selection of a user-selectable category by the user, for receiving a category frame corresponding to the user-selectable category from the one or more category frames,

formatting data within the category frame for presentation to the user, and
presenting the data from the category frame to the user utilizing the device.

22. (original) The computer program product of claim 19, wherein the instructions for forming one or more category frames containing data for user-selectable categories further comprise:

instructions for forming each category frame with a starting delimiter identifying a start of the respective category frame, a major code identifying a category to which the respective category frame belongs, encoded data for the respective category frame, and an ending delimiter for the respective category frame.

23. (original) The computer program product of claim 19, wherein the instructions for forming a meta frame identifying the user-selectable categories corresponding to the one or more category frames further comprise:

instructions for forming the meta frame with a starting delimiter identifying a start of the meta frame,

a major code identifying the meta frame, for each category corresponding to one of the one or more category frames,

a category name for the respective category,

a major code identifying the respective category to which the one of the one or more category frames belongs,

position information specifying a position of the one of the one or more category frames within the broadcast information, and

an ending delimiter identifying an end of the meta frame.

24. (canceled)

25. (original) The computer program product of claim 24, wherein the instructions for transmitting the meta frame and the one or more category frames in repetitive succession in one or more continuous cycles on one or more frequencies further comprise:

instructions for transmitting the meta frame and the one or more category frames in repetitive succession in a single continuous cycle on a single frequency.

26. (canceled)

27. (original) The computer program product of claim 24, wherein the instructions for transmitting the meta frame and the one or more category frames in repetitive succession in one or more continuous cycles on one or more frequencies further comprise:

instructions for transmitting the meta frame and the one or more category frames in repetitive succession in a single continuous cycle on each of a plurality of frequencies at different offsets, wherein a different frame from the meta frame and the one or more category frames is transmitted at a given time on each frequency within the plurality of frequencies.